

**MARINE  
RECREATIONAL INFORMATION  
PROGRAM**

**FY Project Plan**

**Electronic Data Collection Expansion - Washington**

**Created on**

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# **1. Overview**

## **1.1. Background**

In FY13, MRIP project “Electronic Data Collection: A Pilot Study” was initiated to design, develop, and test a mobile data collection application for intercept surveys in one state. It was determined that California provided the best opportunity to develop and field test this application. Initial development is completed and field testing is currently underway. Early results seem positive, generating interest from an additional West coast state, Washington. Within the FY13 budget, modifications were made to the California version of the app, to create a version specifically for the Washington coastal intercept survey. This proposal is seeking funding to adequately field test the Washington version.

## **1.2. Project Description**

Three samplers will be hired to conduct intercept surveys in each of three ports using the application on an iPad, alongside a current sampler using current paper and pencil interview form for a period of three months. Any programming issues that may arise during this time will be addressed immediately. Sampling may be suspended temporarily as programming changes are completed. Data that is collected via the tablets will be compared to the data that is collected and entered from the paper and pencil forms for completeness and consistency.

Additional questions will also be tested:

1. Will the iPads have the ability to withstand the harsh conditions in which sampling takes place - rain, wind (with salt water spray), high heat, and exposure to fish blood, slime, and ice without interruption or failure?
2. Will the iPads accommodate the long work shifts (8-12 hours per day with minimal breaks) that samplers work?
3. How will the speed and efficiency of the iPads compare with that of conventional hand-written methods?

## **1.3. Objectives**

The objectives of this project are to assess the durability, reliability, efficiency, accuracy, and ease of use of data collection devices and the data collection application provided by the PSFMC with the ultimate goal of assessing the value and risks of incorporating electronic data capture into the OSP. Specifically, we hope to:

1. Demonstrate that intercept survey data can be successfully collected using an electronic mobile device.
2. Increase efficiency in the overall process of collecting and entering data.
3. Decrease rate of errors in data entry and miscoding on forms.

#### **1.4. References**

Electronic Data Collection for Angler Intercept Surveys: A Pilot Study – MRIP FY13 project  
Consultant's Report: Preliminary Review of Washington's Ocean Sampling Program (OSP)

## **2. Methodology**

### **2.1. Methodology**

Three samplers will be hired and trained to conduct intercept surveys using a mobile electronic device alongside samplers using conventional paper and pencil.

### **2.2. Regions**

### **2.3. Geographic Coverage**

Washington coastal ports: Ilwaco, Westport and Neah Bay

### **2.4. Temporal Coverage**

Three months

### **2.5. Frequency**

Daily

### **2.6. Unit of Analysis**

### **2.7. Collection Mode**

Tablet (ipad)

## **3. Communications Plan**

### **3.1. Internal**

Communication with samplers field testing the application will be on a daily basis to determine which assignments will be shadowed by a tester. An email feedback loop will be established to enable samplers to communicate issues as they arise. Communication with programming vendor to address issues will be through email as required. Monthly MRIP project updates in MDMS.

### **3.2. External**

Project debriefing analysis will be written up and submitted to state program managers to enable them to assess adoption of the application for future data collection.

## **4. Assumptions and Constraints**

### **4.1. New Data**

No

### **4.2. Track Costs**

Yes

### **4.3. Funding Vehicle**

RecFIN grant

### **4.4. Data Resources**

Intercept data to be collected

### **4.5. Other Resources**

Current

### **4.6. Regulations**

No changes required.

### **4.7. Other**

We assume that 4-5 electronic data capture devices and an application will be available from PSMFC and that funding will be available in time to hire, train, and begin intensive sampling in July, 2014.

## 5. Risk

### 5.1. Project Risk

Table 1: Project Risk

Risk Description	Risk Impact	Risk Probability	Risk Mitigation Approach
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## **6. Final Deliverables**

### **6.1. Additional Reports**

A report will be written at the conclusion of this project to determine the successes and challenges

### **6.2. New Data Sets**

Data from the tablets will be uploaded to a MS SQL database on a PSMFC server

### **6.3. New Systems**

A process will be established to transfer the data collected from the PSMFC SQL server to a WDFW ser

## 7. Project Leadership

### 7.1. Project Leader and Members

Table 2: Project Members

Project Role	Name	Organization	Title
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## 8. Project Estimates

### 8.1. Project Schedule

Table 3: Project Schedule - Major Tasks and Milestones

#	Schedule Description	Planned Start	Planned Finish	Prerequisites	Milestones
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### 8.2. Cost Estimates

Table 4: Cost Estimates

Project Need	Cost Description	Date Needed	Estimated Cost
TOTAL			\$0.00